

Asst. Prof. VOLKAN OBAN

Personal Information

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International Researcher IDs

ORCID: 0000-0003-4635-558X

Publons / Web Of Science ResearcherID: A-9095-2018

Yoksis Researcher ID: 53275

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2010 - 2014

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Kimya Mühendisliği (YI), Turkey 2007 - 2009

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1998 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Anaerobik reaktörlerde tavuk gübresinin maksimum besleme oranının belirlenmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2014

Research Areas

Chemical Engineering and Technology, Mechanical Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2018 - Continues

Assistant Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2016 - 2018

Assistant Professor, Karabuk University, Tıp Tarihi Ve Etik A.B.D. (İng.), Enerji Sistemleri Mühendisliği Bölümü, 2015 - 2016

Research Assistant, Karabuk University, Tıp Tarihi Ve Etik A.B.D. (İng.), Enerji Sistemleri Mühendisliği Bölümü, 2012 - 2015

Academic and Administrative Experience

Courses

Kojenerasyon Sistemleri, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021
Proje, Undergraduate, 2023 - 2024, 2022 - 2023, 2017 - 2018
Yakıtlar ve yanma, Undergraduate, 2022 - 2023, 2017 - 2018
Termodinamik 1, Undergraduate, 2023 - 2024
Biyometanlaşma Teknolojileri ve Proses Tasarımı, Postgraduate, 2023 - 2024, 2022 - 2023
Termodinamik 2, Undergraduate, 2022 - 2023
Enerji Ekonomisi, Undergraduate, 2023 - 2024
Kariyer Planlama, Undergraduate, 2022 - 2023, 2020 - 2021
Toplam Kalite Yönetimi, Undergraduate, 2023 - 2024, 2022 - 2023, 2017 - 2018
Bilimsel Araştırma Teknikleri ve Yayın Etiği, Postgraduate, 2017 - 2018
Biyokütle Enerji Dönüşümü, Undergraduate, 2017 - 2018
İş yeri eğitimi, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Life cycle assessment of food waste management options: a case study at campus level to foster sustainable campus**
Tunalı M., Çoban V., Baban A., Cılız N.
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, vol.45, no.2, pp.5481-5493, 2023 (SCI-Expanded)
- II. **Characterization and energy potential of domestic waste in a low-population developed region**
ÇOBAN V.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.45, no.3, pp.9297-9307, 2023 (SCI-Expanded)
- III. **Co-fermentation of macroalga *Elodea canadensis* in diferent mixing ratios with dairy manure**
Ekinci K., Çiftçi F., Kumbul B. S., Yildirim R., Solak M., Çoban V.
BIOMASS CONVERSION AND BIOREFINERY, vol.1, pp.1-9, 2022 (SCI-Expanded)
- IV. **Aerobic digestion of sewage sludge for waste treatment**
Demirbas A., Çoban V., Taylan O., Kabli M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.10, pp.1056-1062, 2017 (SCI-Expanded)
- V. **Investigation of Organic Rankine Cycle (ORC) technologies in Turkey from the technical and economic point of view**
EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D., Coban V., Cagman S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.58, pp.885-895, 2016 (SCI-Expanded)
- VI. **Energy and exergy analysis of an organic Rankine cycle in a biomass-based forest products manufacturing plant**
Eyidogan M., ÇANKA KILIÇ F., KAYA D., ÖZKAYMAK M., Coban V., Cagman S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, no.6, pp.5100-5112, 2016 (SCI-Expanded)
- VII. **Selection of compressors for petrochemical industry in terms of reliability, energy consumption and maintenance costs examining different scenarios**
SAPMAZ S., Kilic F., EYİDOĞAN M., Taylan O., ÇOBAN V., ÇAĞMAN S., KILIÇASLAN İ., KAYA D.
ENERGY EXPLORATION & EXPLOITATION, vol.33, no.1, pp.43-62, 2015 (SCI-Expanded)
- VIII. **Energy Saving and Emission Reduction Opportunities in Mixed-Fueled Industrial Boilers**

Articles Published in Other Journals

- I. **Evaluation Methods of Fertilizer Produced in Biogas Plants and Its Effect on Feasibility Biyogaz Tesislerinde Üretilen Gübrenin Değerlendirilme Metotları ve Fizibiliteye Etkisi**
Çoban V.
Journal of Tekirdag Agricultural Faculty, vol.20, no.1, pp.175-185, 2023 (ESCI)
- II. **Capacity Increase and Energy Efficiency Improvement Studies In A Biogas Power Generation Plant**
Kılıç M. K., Abut N., Çanka Kılıç F., Çoban V., Kaya D.
International Journal of Ecosystems and Ecology Science-IJEES, vol.8, no.1, pp.45-56, 2018 (ESCI)
- III. **ENERGY, ENVIRONMENT AND ECONOMIC ANALYSIS OF DESIGNED TRIGENERATION SYSTEM**
HERGÜL A. S., KAYA D., ÇOBAN V.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.4, pp.575-580, 2016 (ESCI)
- IV. **DETERMINATION OF OPTIMUM CONDITIONS FOR CO-DIGESTION OF CATTLE MANURE WITH CHICKEN WASTES AND CHEESE WHEY**
ÇALHAN R., KAYA D., ÇOBAN V.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.3, pp.375-380, 2016 (ESCI)
- V. **ENERGY EFFICIENCY INVESTIGATION OF A FURNACE BURNER REPLACEMENT AT REFINERY DISTILLATION UNIT**
Coban V.
INTERNATIONAL JOURNAL OF ECOSYSTEMS AND ECOLOGY SCIENCE-IJEES, vol.6, no.3, pp.443-448, 2016 (ESCI)
- VI. **An experimental examination of energy production from domestic-based waste water treatment sludge**
Cagman S., Coban V., Eyidogan M., Kilic F., KAYA D.
WORLD JOURNAL OF ENGINEERING, vol.12, no.1, pp.45-49, 2015 (ESCI)
- VII. **Effects of Various Nitrogen Rates to Biogas Production Yield in Anaerobic Digestion of Only Chicken Manure**
ÇOBAN V., sarac h. i., KAYA D., EYİDOĞAN M., ÇAĞMAN S.
Life Science Journal-Acta Zhengzhou University Overseas Edition, vol.11, no.2, pp.186-190, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **CARBON FOOTPRINT CALCULATION IN INDUSTRIAL PLANT WITH THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC) METHOD**
Yılmaz Y., Çoban V.
11TH INTERNATIONAL CONGRESS ON LIFE, ENGINEERING, AND APPLIED SCIENCES IN A CHANGING WORLD, İzmir, Turkey, 25 - 27 November 2023, pp.138-144
- II. **ECONOMIC ANALYSIS OF ELECTRICITY STORAGE SYSTEMS COMBINED WITH PV SYSTEMS: A CASE STUDY in TURKEY**
Çoban V.
Korkut Ata 2. International Scientific Researches Conference, Ankara, Turkey, 7 - 08 October 2023, pp.486-496
- III. **HAYVANSAL ATIK KAYNAKLI BİYOGAZ TESİSİNİN GÜBRE SATIŞINA YÖNELİK RİSK VE DUYARLILIK ANALİZİ**
tuna s., tuna s., ÇOBAN V., ÇAĞMAN S.
Uluslararası Marmara Fen Bilimleri Kongresi, 28 April 2019
- IV. **HAYVANSAL ATIK KAYNAKLI ANAEROBİK FERMANTASYONA DAYALI BİYOGAZ TESİSİNDE İŞLETME**

MALİYETLERİNİN ÇIKARILMASI VE TESİS FİZİBİLİTESİNE OLAN ETKİLERİNİN İNCELENMESİ

Köksal E., ÇOBAN V., ÇAĞMAN S.

Uluslararası Marmara Fen Bilimleri Kongresi, 18 April 2019

- V. **Biyogaz/Biyometanizasyon Tesislerinin Çevre Kanunundaki Yeri**
ÇAĞMAN S., ÇOBAN V., yiğit d.
International Congress on Energy Research, alanya, Turkey, 31 October - 02 November 2018, pp.110-121
- VI. **Electrostatic Powder Coating Plant Conveyor System and Energy Efficiency**
taskan d., HERGÜL A. S., ÇOBAN V., KAYA D.
3rd Iron and Steel Symposium(UDCS'17), Turkey, 3 - 05 April 2017
- VII. **Capacity Increase and Energy Efficiency Improvement Studies in a Biogas Power Generation Plant**
KILIÇ M. K., ABUT N., ÇANKA KILIÇ F., ÇOBAN V., KAYA D.
7th International Conference of Ecosystems (ICE2017) Tirana, Albania, June 02,05, 2017, 7th International Conference of Ecosystems (ICE2017) Tirana, Albania, Tirane, Albania, 2 - 05 June 2017, pp.289-301
- VIII. **Economic Analysis of Biogas Production from Chicken Manure**
ÇOBAN V., ÇAĞMAN S., EYİDOĞAN M., ÇANKA KILIÇ F., KAYA D.
International Ege Energy Symposium and Exhibition, AFYONKARAHİSAR, Turkey, 11 - 13 May 2016, pp.685-691
- IX. **DETERMINATION OF OPTIMUM CONDITIONS FOR CO DIGESTION OF CATTLE MANURE WITH CHICKEN WASTES AND CHEESE WHEY**
ÇALHAN R., KAYA D., ÇOBAN V.
6th International Conference of Ecosystems, 3 - 06 June 2016
- X. **ANAYLYSIS OF A TRIGENERATION SYSTEM IN TERMS OF ENERGY, ENVIRONMENT AND ECONOMIC**
HERGÜL A. S., KAYA D., ÇOBAN V.
6th International Conference of Ecosystems, 4 - 06 June 2016
- XI. **Endüstriyel Tesislerde Enerji Verimliliği Uygulamaları II**
KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., HERGÜL A. S., SAPMAZ S.
6. Enerji Verimliliği Kalitesi Sempozyumu ve Sergisi Enerji Verimliliği Kongresi 2015, Sakarya, Turkey, 4 - 06 June 2015, vol.1, pp.160-162
- XII. **Endüstriyel Tesislerde Enerji Verimliliği Uygulamaları I**
KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., HERGÜL A. S., SAPMAZ S.
6. Enerji Verimliliği Kalitesi Sempozyumu ve Sergisi Enerji Verimliliği Kongresi 2015, Sakarya, Turkey, 4 - 06 June 2015, vol.1, pp.157-159
- XIII. **ENDÜSTRİYEL TESİSLERDE ENERJİ VERİMLİLİĞİ UYGULAMALARI-I-II**
KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., HERGÜL A. S., SAPMAZ S.
VI.ENERJİ VERİMLİLİĞİ, KALİTESİ SEMPOZYUMU VE SERGİSİ, Sakarya, Turkey, 4 - 06 June 2015
- XIV. **TAVUK GÜBRESİNİN DEĞERLENDİRİLMESİNDE BİYOGAZ SEÇENEĞİ**
Kaya D., Çoban V., Ekinci K.
2. Uluslararası Beyaz Et Kongresi, Afyonkarahisar, Turkey, 24 April 2013, pp.445-451
- XV. **TAVUK GÜBRESİNDEN BİYOGAZ ÜRETİM TESİSLERİNİN FİZİBİLİTESİ**
ÇOBAN V., EYİDOĞAN M., ÇAĞMAN S., KAYA D.
IWES 2012, 15 November 2012
- XVI. **EVSEL KAYNAKLI ARITMA ÇAMURLARININ BİYOGAZ ÜRETİMİNDE KULLANIMININ DEĞERLENDİRİLMESİ**
ÇOBAN V., KAYA D., ÇAĞMAN S., yağmur e. a., Tırıs M., Akgün F.
ICCI 2010, 14 May 2010
- XVII. **KURU FERMENTASYON TEKNOLOJİSİ İLE BİYOGAZ ÜRETİMİ**
KAYA D., ÇAĞMAN S., ÇOBAN V., yağmur e. a., EYİDOĞAN M., Akgün F., Tırıs M.
IWES 2, 12 November 2009
- XVIII. **Türkiye'nin Hayvansal Atık Kaynaklı Biyogaz Potansiyeli ve Ekonomisi**
KAYA D., EYİDOĞAN M., ÇOBAN V., ÇAĞMAN S., AYDÖNER C., Tırıs M.
ICCI 2009, 15 May 2009, pp.59-62

Scientific Refereeing

Avrupa Bilim ve Teknoloji Dergisi, National Scientific Refreed Journal, March 2024

Metrics

Publication: 33

Citation (WoS): 73

Citation (Scopus): 75

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

TÜBİTAK

TUBITAK, Marmara Araştırma Merkezi, Enerji Enstitüsü

TÜBİTAK

Business Establishment Private, APS Ambalaj ve Paketleme Sanayi Tic. A.Ş., Üretim